

Appln. No. 09/913,771
Response A dated May 3, 2004
Reply to Office Action of February 19, 2004

Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-16 (cancelled).

17. (Currently Amended) A process for making an electrically conductive composition comprising combining in an extruder a melted thermoplastic polymer-additive having a weight average molecular weight of from about 10,000 to 250,000 grams per gram mole with carbon black and an effective amount of from 1 to 10 weight percent of a lubricant to enhance the electrical conductivity of the composition based on the total weight of the thermoplastic additive, carbon black and lubricant, and extruding a mixture of components.

18. (Original) The process of Claim 17 wherein the combining is conducted at a temperature of from about 100 to 200°C.

19. (Original) The process of Claim 17 wherein the combining is conducted at a pressure of from about 100 to 2,000 psia.

20. (Original) The process of Claim 17 wherein the combining is done under shearing conditions.

Claims 21-22 (cancelled).

23. (Original) The process of Claim 22 wherein the Peak Torque of the composition is less than about 100 M-g.

Claims 24-28 (cancelled).

29. (New) The process of Claim 17 wherein the lubricant is selected from the group consisting of fatty acids and their metallic counterparts, polyalkylene glycols, polyalkylene oxides, detergents, phosphoric acid esters, polyether polyols, ethoxylated fatty acids and mixtures thereof.

30. (New) The process of Claim 29 wherein the lubricant is zinc stearate.

UC17754-2

2

Appln. No. 09/913,771
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31. (New) The process of Claim 17 wherein the thermoplastic additive is present in an amount of about 60 to 94 percent by weight and the carbon black is present in an amount of about 5 to about 40 percent by weight, wherein the percentages are based on the total weight of the thermoplastic additive, carbon black and lubricant.

32. (New) A process for preparing a molding composition which comprises contacting one or more electrically conductive compositions according to Claim 17, one or more unsaturated thermosetting resins and one or more olefinically unsaturated monomers which are copolymerizable with the unsaturated thermosetting resins.

33. (New) The process according to Claim 32 wherein the electrically conductive composition and the unsaturated resin are contacted in liquid form.

34. (New) The process of Claim 33 wherein the electrically conductive composition and the unsaturated thermosetting resin are dissolved in olefinically unsaturated monomers prior to contacting.

35. (New) The process of Claim 34 wherein the contacted solutions of electrically conductive compositions and the unsaturated thermosetting resins are mixed after contacting.

36. (New) The process of Claim 35 wherein fillers and thickening agents are added after mixing the electrically conductive composition and unsaturated thermosetting resins.